ABSTRACT

Soil and land resource inventory of Thalavoor panchayat in Pathanapuram taluk of Kollam district was undertaken by the Soil Survey wing of the Department of Soil Survey & Soil Conservation during 2004 to assess the resources of the area, to identify the problems and to suggest suitable development programmes for sustained and integrated development of the area.

Ezhumattoor panchayat extends over 3367 ha spread over Thalavoor and Pidavoor villages. The garden land covers an area of 2734.1 ha and is cultivated with rubber, coconut, banana, tapioca, pepper, etc. The wetland extends over 548.4 ha. 28 ha of the original wetlands has been converted as built up lands for cultivating banana, tapioca, vegetables, etc. The soil series identified in the garden land are Adoor, Karavalur, Ummanur, Vilakudy, Pathanapuram, Chadayamangalam, Edamulackal, Mudakkal and Kallada series. The soils in the wetlands were identified as Mylom, Kunnukara and Sooranad series.

Based on the characteristics of the soils, land capability subclasses IIw, IIIe, IIIes, IVes and Vles and land irrigability subclasses 2d, 2t, 3st, 4st and 6st were recognized in the panchayat. IVes and 4st are the predominant land capability class and land irrigability class respectively, occupying 1614 ha of area in the panchayat. Other interpretative studies like hydrologic grouping, crop suitability, fertility and production potential of the soils are also included in the report. The problems encountered in the panchayat are dealt with briefly. Interpretative maps are appended.